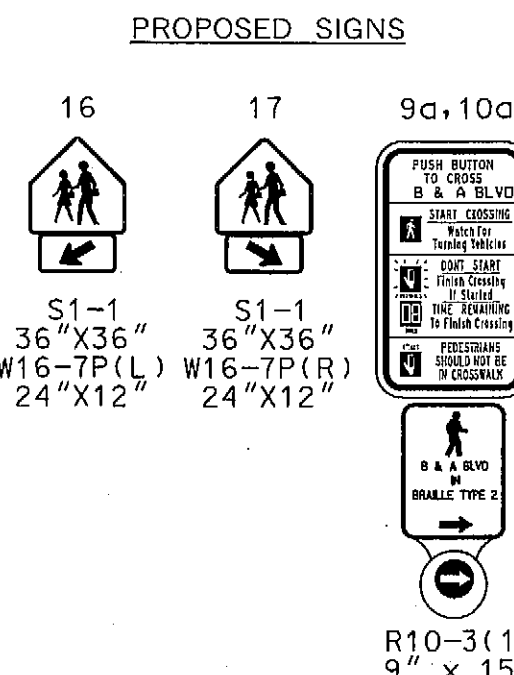
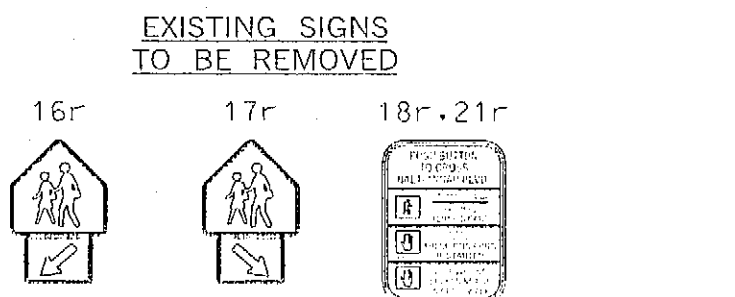
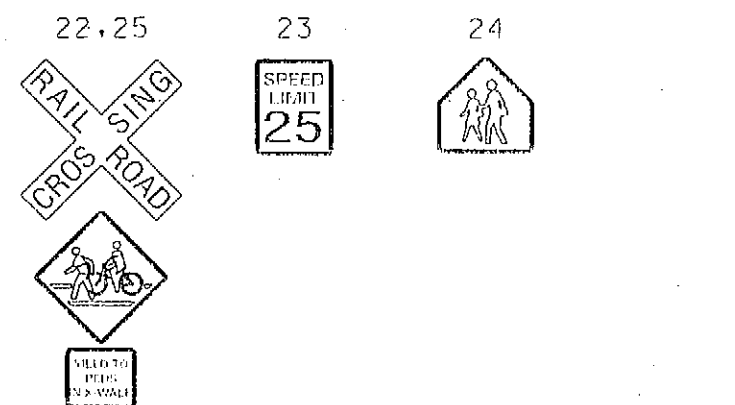
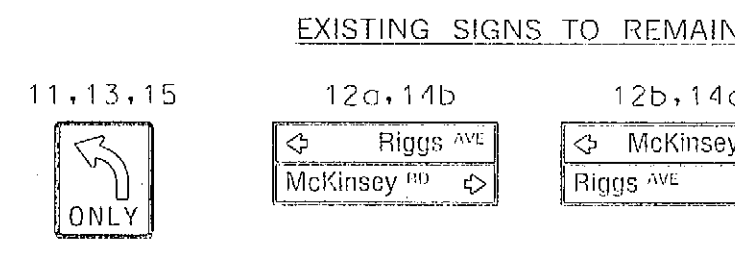
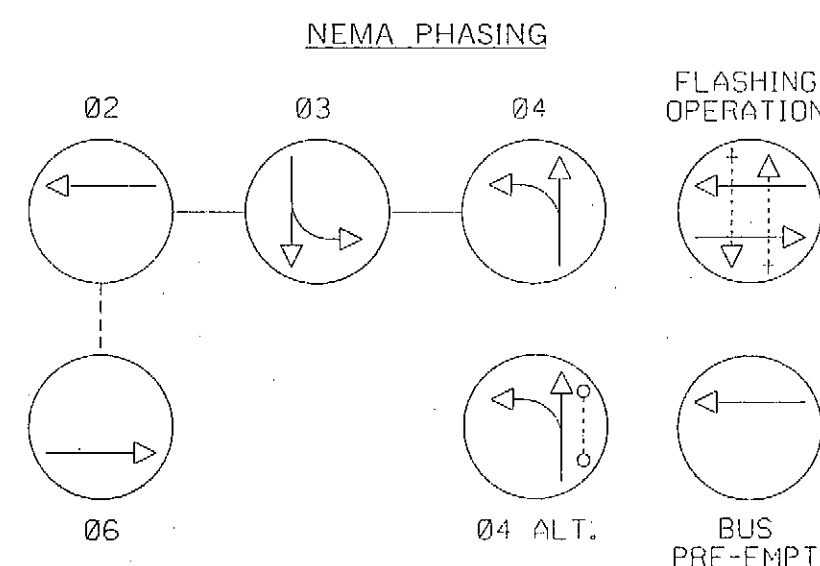
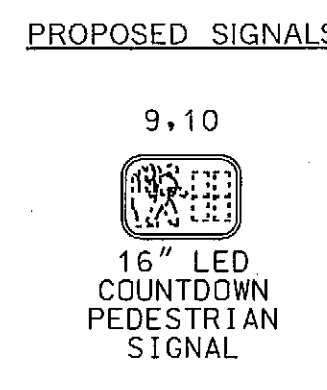
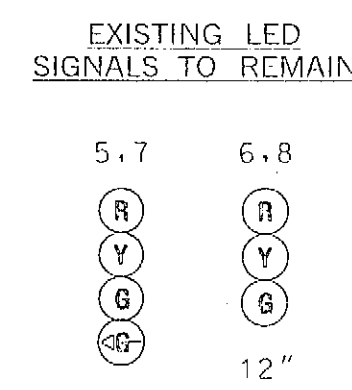
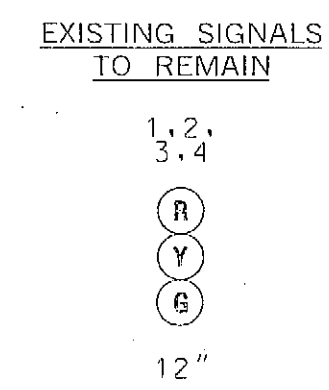


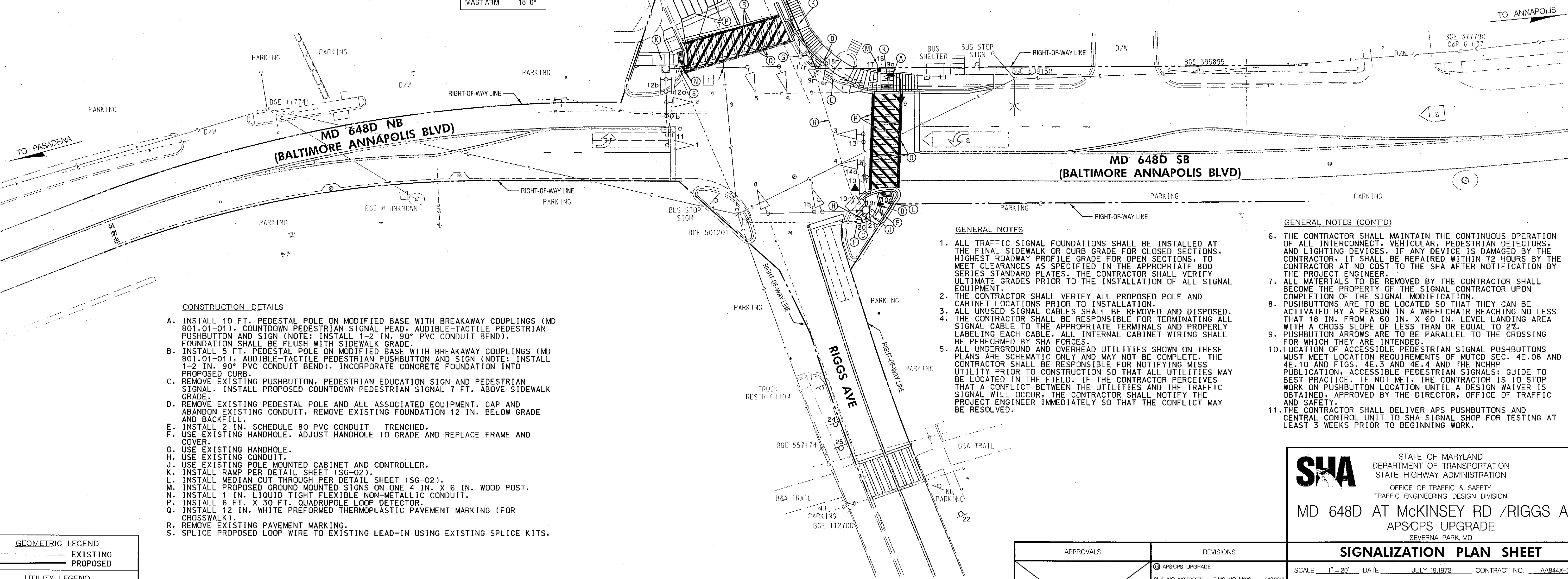
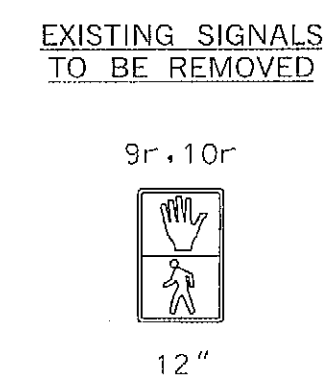
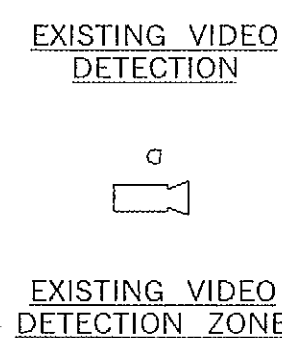
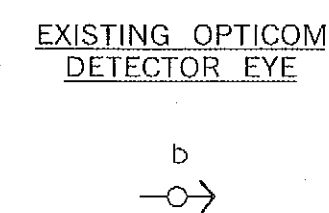
MD 648D IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION



1 UTILITY HEIGHTS	
PRIMARY	37'
SECONDARY	22'
COMM.	20' 3"
COMM.	19' 5"
MAST ARM	18' 6"



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE  
WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE  
WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- INSTALL 10 FT. PEDESTAL POLE ON MODIFIED BASE WITH BREAKAWAY COUPLINGS (MD 801.01-01), COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE-TACTILE PEDESTRIAN PUSHBUTTON AND SIGN (NOTE: INSTALL 1-2 IN. 90° PVC CONDUIT BEND). FOUNDATION SHALL BE FLUSH WITH SIDEWALK GRADE.
- INSTALL 5 FT. PEDESTAL POLE ON MODIFIED BASE WITH BREAKAWAY COUPLINGS (MD 801.01-01), AUDIBLE-TACTILE PEDESTRIAN PUSHBUTTON AND SIGN (NOTE: INSTALL 1-2 IN. 90° PVC CONDUIT BEND). INCORPORATE CONCRETE FOUNDATION INTO PROPOSED CURB.
- REMOVE EXISTING PUSHBUTTON, PEDESTRIAN EDUCATION SIGN AND PEDESTRIAN SIGNAL. INSTALL PROPOSED COUNTDOWN PEDESTRIAN SIGNAL 7 FT. ABOVE SIDEWALK GRADE.
- REMOVE EXISTING PEDESTAL POLE AND ALL ASSOCIATED EQUIPMENT. CAP AND ABANDON EXISTING CONDUIT. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- INSTALL 2 IN. SCHEDULE 80 PVC CONDUIT - TRENCHED.
- USE EXISTING HANDHOLE. ADJUST HANDHOLE TO GRADE AND REPLACE FRAME AND COVER.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING POLE MOUNTED CABINET AND CONTROLLER.
- INSTALL RAMP PER DETAIL SHEET (SG-02).
- INSTALL MEDIAN CUT THROUGH PER DETAIL SHEET (SG-02).
- INSTALL PROPOSED GROUND MOUNTED SIGNS ON ONE 4 IN. X 6 IN. WOOD POST.
- INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT.
- INSTALL 6 FT. X 30 FT. QUADRUPOLE LOOP DETECTOR.
- INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING (FOR CROSSWALK).
- REMOVE EXISTING PAVEMENT MARKING.
- SPLICE PROPOSED LOOP WIRE TO EXISTING LEAD-IN USING EXISTING SPLICE KITS.

GENERAL NOTES

- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN THE APPROPRIATE 800 SERIES STANDARD PLATES. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY SHA FORCES.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

GENERAL NOTES (CONT'D)

- THE CONTRACTOR SHALL MAINTAIN THE CONTINUOUS OPERATION OF ALL INTERCONNECT, VEHICULAR, PEDESTRIAN DETECTORS, AND LIGHTING DEVICES. IF ANY DEVICE IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPAIRED WITHIN 72 HOURS BY THE CONTRACTOR AT NO COST TO THE SHA AFTER NOTIFICATION BY THE PROJECT ENGINEER.
- ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING NO LESS THAN 18 IN. FROM A 60 IN. X 60 IN. LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.08 AND 4E.10 AND FIGS. 4E.3 AND 4E.4 AND THE NCHRP PUBLICATION, ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE. IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATION UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- THE CONTRACTOR SHALL DELIVER APS PUSHBUTTONS AND CENTRAL CONTROL UNIT TO SHA SIGNAL SHOP FOR TESTING AT LEAST 3 WEEKS PRIOR TO BEGINNING WORK.

GEOMETRIC LEGEND	
EXISTING	PROPOSED
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

**PARSONS  
BRINCKERHOFF**

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(Fax) 410-727-4608  
http://www.pbworld.com

APPROVALS	
TEAM LEADER	
ASSY. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1	APSCPS UPGRADE
2	SHA NO. XX5295172 TMS NO. M108 6/9/2013
3	INSTALL VIDEO DETECTION
4	SHA NO. 072010 TMS NO. L597 09/2012
5	E1 SPLIT SIDE STREET PHASING
6	SIGNAL SHOP TMS NO. K389 08/30/2010

SIGNALIZATION PLAN SHEET	
SCALE 1" = 20'	DATE JULY 19, 1972 CONTRACT NO. AAR44X-575
DESIGNED BY	COUNTY ANNE ARUNDEL
DRAWN BY J. SPENCE	LOGMILE 02064803.61
CHECKED BY J. SPENCE	TMS NO. N/A
F.A.P. NO.	TOD NO. N/A
TS NO. 305G	DRAWING SG-01 OF 03 SHEET NO. 1 OF 3